

Title (en)

Method for data transmission in a cellular network with a machine type communication device

Title (de)

Datenübertragungsverfahren eines Machine-Type-Communication-Gerätes in einem zellulären Netzwerk

Title (fr)

Procédé de transmission de données dans un réseau cellulaire doté d'un dispositif de communication de type machine

Publication

EP 3032903 A1 20160615 (EN)

Application

EP 14197728 A 20141212

Priority

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Abstract (en)

The present invention relates to a method for data transmission in a cellular network from a wireless device, the cellular network comprising a plurality of base nodes, the plurality of base nodes comprising an active base node, which is the base node the wireless device is currently associated to, the wireless device being configured to transmit data according to a periodicity related transmission mode to the active base node, the method comprises the steps of: - providing information from wireless device to the active base node relating to periodicity of said data transmission, - responding at the active base node to the wireless device comprising an indication relative to assigned resources for multiple transmissions, - setting a timer at the active base node relating to said periodicity, - upon expiration of the timer, reserving resources at the active base node for reception of the data transmission from the wireless device, - transmitting data from the wireless device to the active base node according to the periodicity, - receiving transmitted data at active base node, - conducting an acknowledging procedure at the active base node in response to said data reception.

IPC 8 full level

H04W 72/04 (2009.01); **H04W 4/70** (2018.01); **H04W 76/28** (2018.01); **H04W 72/12** (2009.01)

CPC (source: EP US)

H04L 1/1887 (2013.01 - US); **H04W 4/70** (2018.01 - EP US); **H04W 72/121** (2013.01 - EP US); **H04W 72/21** (2023.01 - EP US); **H04W 76/28** (2018.01 - US)

Citation (search report)

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Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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DOCDB simple family (application)

EP 14197728 A 20141212; EP 15802053 A 20151126; EP 2015077743 W 20151126; US 201515534284 A 20151126